



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/573,181	03/23/2006	Michel Koskas		7673

7590
Michel Koskas
Societe KoDe
63, rue de la Colonie
Paris, 75013
FRANCE

01/09/2008

EXAMINER

QUADER, FAZLUL

ART UNIT	PAPER NUMBER
----------	--------------

2169

MAIL DATE	DELIVERY MODE
-----------	---------------

01/09/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/573,181

Applicant(s)

KOSKAS, MICHEL

Examiner

Fazlul Quader

Art Unit

2169

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 March 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☒ Claim(s) 4 and 5 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 March 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

DETAILED ACTION

1. Claims 1-5 are pending in this application.

Claim Objections

2. Claims 4 and 5 are objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim *cannot depend from any other multiple dependent claim*. See MPEP § 608.01(n). Accordingly, the claims 4 and 5 have not been further treated on the merits.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Emmick et al. (US 20030195885), hereinafter "Emmick" in view of Papier et al. (US 20020021828), hereinafter "Papier".

5. As to claim 1, Emmick discloses, process of organization of a relational data base to be used on a computer architecture constituted of at least a processor and some memory (abstract; [0135], characterized in that it includes the steps consisting in:

Elaborate a table of hierarchical expansion (abstract; fig. 4; [00016]);

For each of the primary keys, store the sequence of its values and store a permutation on this set of values in order to be able to find back a given value ([0009]);

Although, Emmick discloses, about creating a thesaurus ([0040], page 3, right col. under "Element Coverage");

Emmick, however, does not explicitly disclose, "creating a thesaurus on each of the columns";

Emmick also, does not explicitly disclose, "each of the words of each of the thesauruses, create the radix tree of the set of lines indexes the aforementioned word appears at";

Papier, on the other hand, discloses, "modifying creating a thesaurus on each of the columns" ([0078]).

Papier further discloses, "each of the words of each of the thesauruses, create the radix tree of the set of lines indexes the aforementioned word appears at" ([0078]-[0080]);

Both Emmick and Papier are of the same field of endeavor, they specifically teach system and method of content management (Emmick: [0001]; Papier: abstract).

It would have been obvious to one of the ordinary skill in the art at the time of applicant's invention to incorporate the teachings of Papier into Emmick of system and method for xml based content management, that would have allowed users of Emmick to have an useful apparatus, to create a knowledge database, cross referenced to said image database ([0029], lines 3-5).

6. As to claim 2, Emmick as modified discloses, process of organization of a data base according to claim 1 characterized in that it includes furthermore a step of splitting of the tables of the data base in a set of sub-tables, each of them containing a given number of lines, the last one excepted (Emmick: abstract; [0137], page 9, claim 1).

7. As to claim 3, Emmick as modified discloses, process of organization of a

data base according to claims 1 or 2, characterized in that the data base is requested using the SQL (Structured Query Language) (Emmick: [0024], lines 1-8; [0054]).

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Cardona (US 20020169762) teach system and method for database retrieval, indexing and statistical analysis.

Baily et al. (US 20020087558) teach rapidly database system facilitating parametric searching.

Contact Information

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fazlul Quader whose telephone number is 571-270-1905. The examiner can normally be reached on M-F 8-5 Alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad Ali can be reached on 571-272-4105. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Fazlul Quader
Examiner
Art Unit 2169

FQ
01/02/2008


MOHAMMAD ALI
SUPERVISORY PATENT EXAMINER